

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
 Data File : BG017546.D
 Acq On : 8 Jun 2015 16:54
 Operator : TP/IZ
 Sample : G2464-14
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13DS

Manual Integrations
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Quant Time: Jun 09 03:21:09 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 09 02:10:45 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	21551	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	92398	20.00	ng	0.00
38) Acenaphthene-d10	14.28	164	60012	20.00	ng	0.00
63) Phenanthrene-d10	17.04	188	119481	20.00	ng	0.00
75) Chrysene-d12	21.23	240	131629	20.00	ng	0.00
86) Perylene-d12	23.47	264	135254	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.20	112	159134	130.09	ng	0.00
7) Phenol-d6	6.83	99	208567	125.15	ng	0.00
23) Nitrobenzene-d5	8.78	82	156395	84.49	ng	0.00
41) 2,4,6-Tribromophenol	15.79	330	96361	115.61	ng	0.00
44) 2-Fluorobiphenyl	12.90	172	327270	82.26	ng	0.00
78) Terphenyl-d14	19.68	244	461871	72.52	ng	0.00

Target Compounds						Qvalue
31) Naphthalene	10.46	128	129639	26.85	ng	99
37) 2-Methylnaphthalene	12.08	142	27847	7.50	ng	95
45) 1,1'-Biphenyl	13.11	154	10898	2.48	ng	86
49) Dimethylphthalate	13.74	163	47758	9.14	ng	# 96
51) Acenaphthene	14.35	154	28258	7.42	ng	93
57) Fluorene	15.33	166	23050	4.52	ng	# 87
70) Phenanthrene	17.08	178	154411	23.18	ng	99
71) Anthracene	17.17	178	47055	7.07	ng	96
74) Fluoranthene	19.11	202	138472	15.90	ng	96
77) Pyrene	19.47	202	139339	17.18	ng	97
80) Benzo(a)anthracene	21.22	228	76996	9.51	ng	98
82) Chrysene	21.27	228	60622	8.27	ng	94
85) Indeno(1,2,3-cd)pyrene	25.73	276	35348	3.84	ng	# 92
87) Benzo(b)fluoranthene	22.80	252	84661m	9.88	ng	
88) Benzo(k)fluoranthene	22.83	252	24168m	2.95	ng	
89) Benzo(a)pyrene	23.37	252	68475	8.71	ng	# 95
91) Benzo(g,h,i)perylene	26.44	276	30999	3.99	ng	# 88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

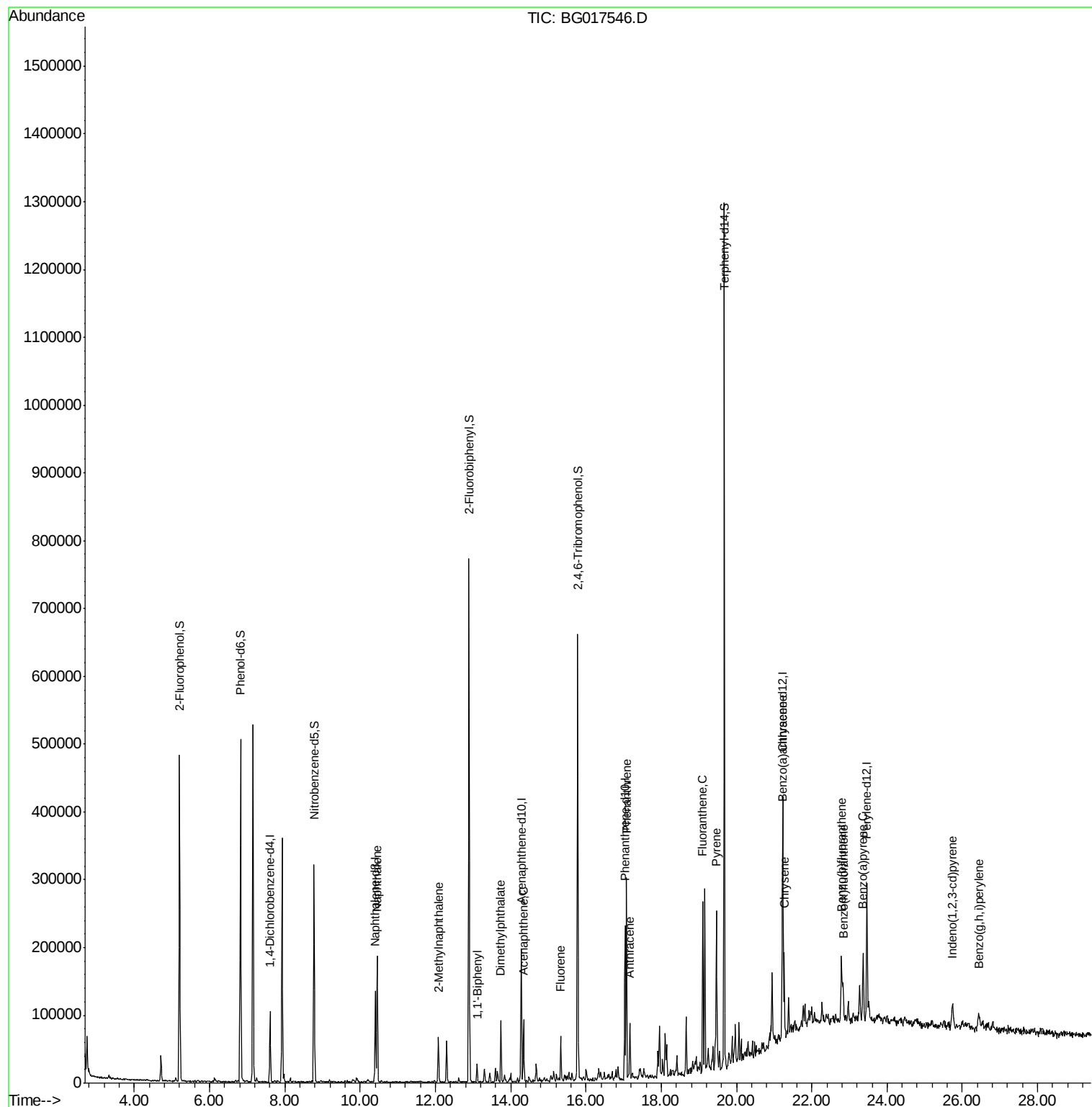
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG060815\
Data File : BG017546.D
Acq On : 8 Jun 2015 16:54
Operator : TP/IZ
Sample : G2464-14
Misc :
ALS Vial : 9 Sample Multiplier: 1

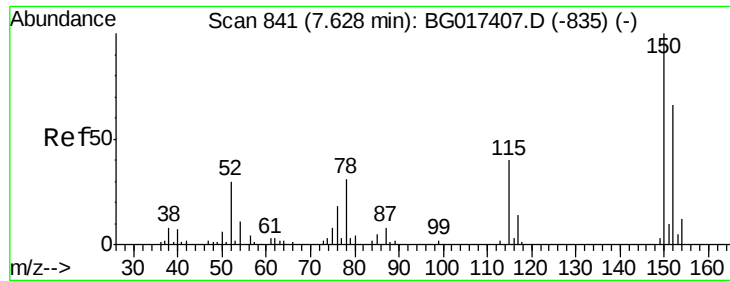
Instrument :
BNA_G
ClientSampleId :
SB-13DS

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Quant Time: Jun 09 03:21:09 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG060315.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 09 02:10:45 2015
Response via : Initial Calibration





#1

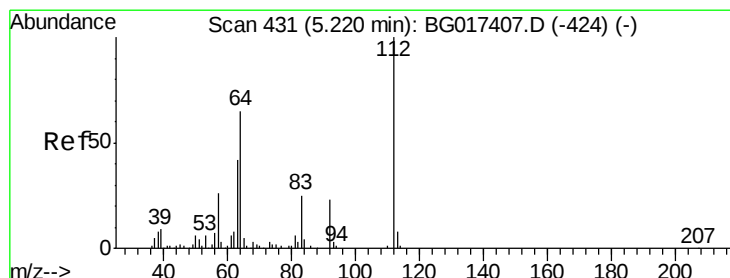
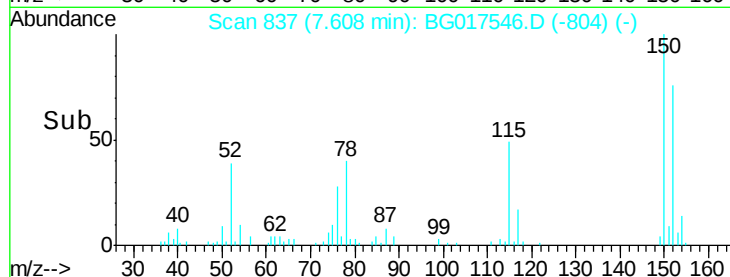
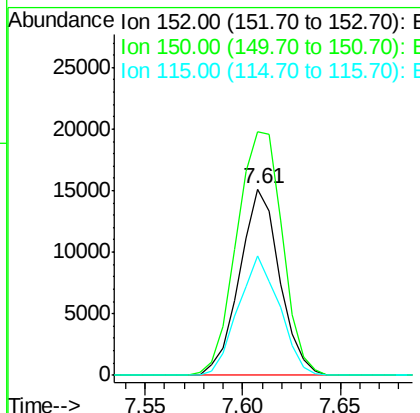
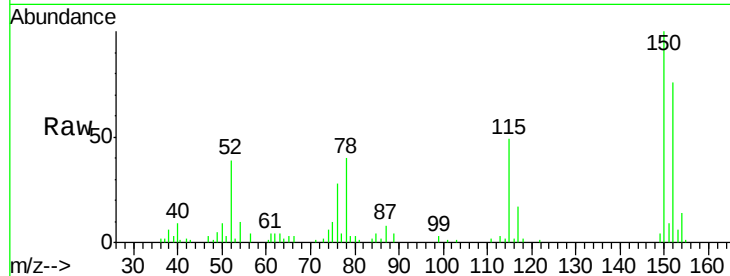
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.61 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Instrument :
BNA_G
ClientSampled :
SB-13DS

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	21551		
150	130.7	121.7	182.5	
115	64.0	48.6	73.0	

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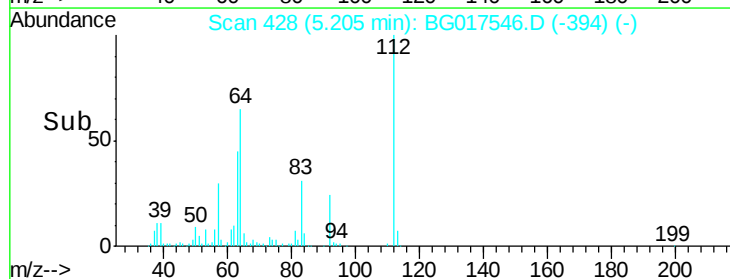
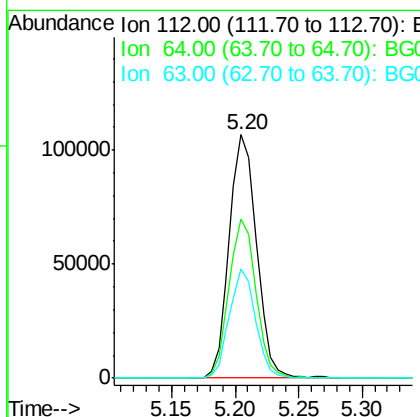
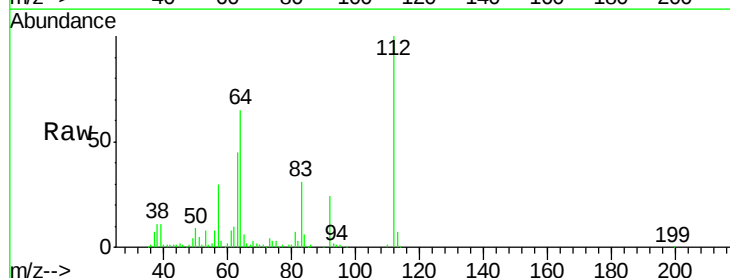
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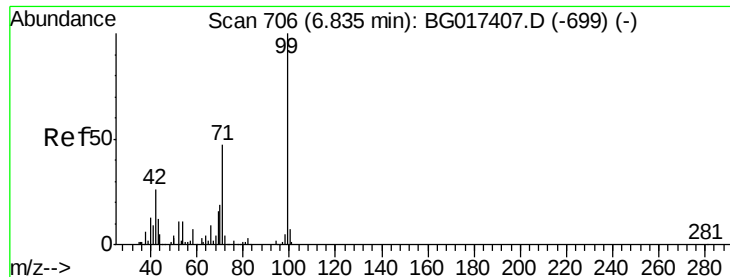


#5

2-Fluorophenol
Concen: 130.09 ng
RT: 5.20 min Scan# 428
Delta R.T. 0.00 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	159134		
64	65.4	51.6	77.4	
63	45.0	33.3	49.9	





#7

Phenol-d6

Concen: 125.15 ng

RT: 6.83 min Scan# 704

Delta R.T. 0.01 min

Lab File: BG017546.D

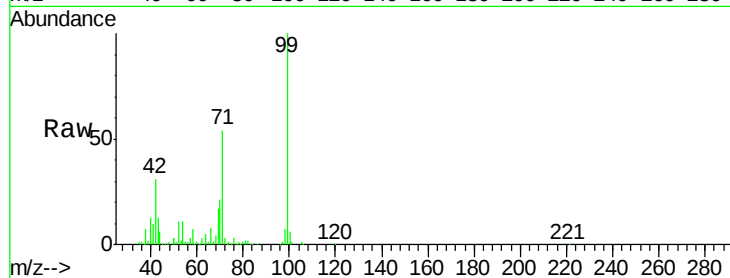
Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

ClientSampled :

SB-13DS



Tgt Ion: 99 Resp: 208567

Ion Ratio Lower Upper

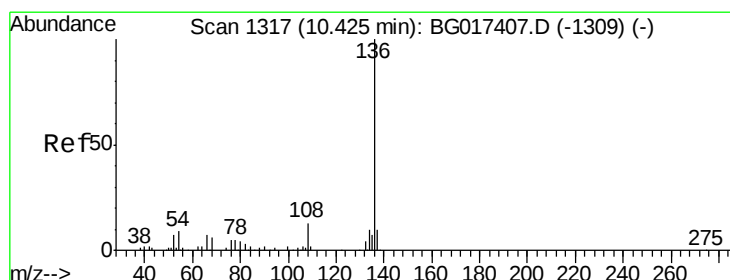
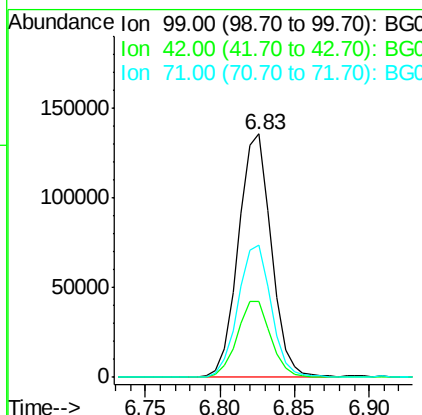
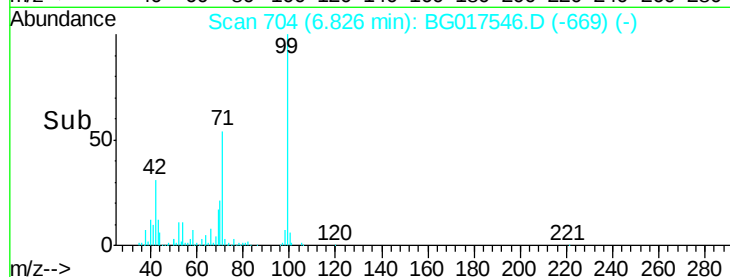
99 100

42 31.2 21.0 31.6

71 54.1 37.2 55.8

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.40 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Tgt Ion: 136 Resp: 92398

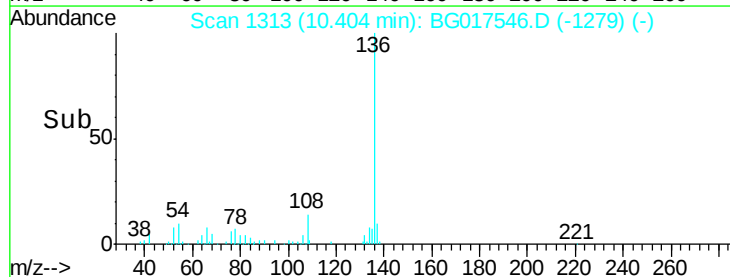
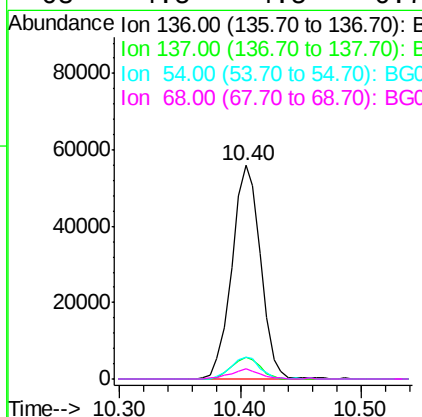
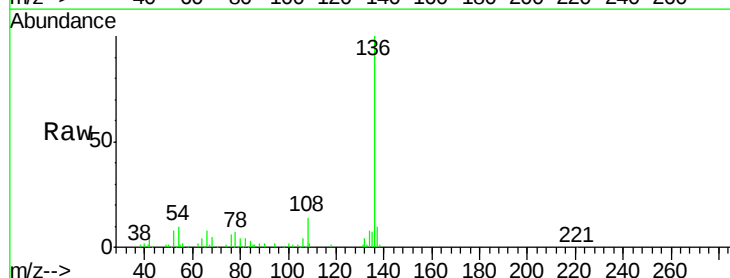
Ion Ratio Lower Upper

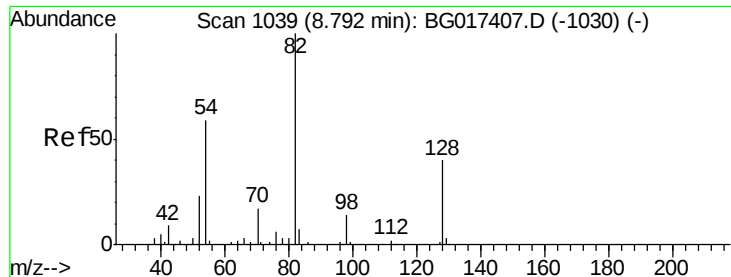
136 100

137 10.2 7.9 11.9

54 10.0 7.2 10.8

68 4.5 4.5 6.7





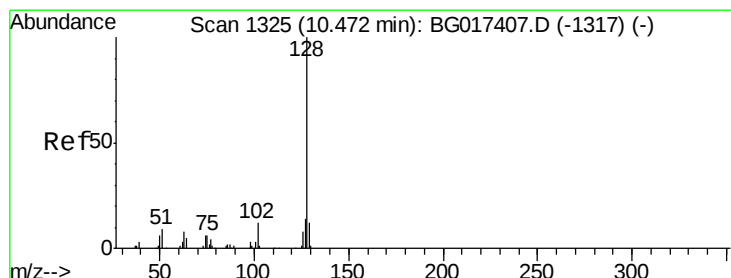
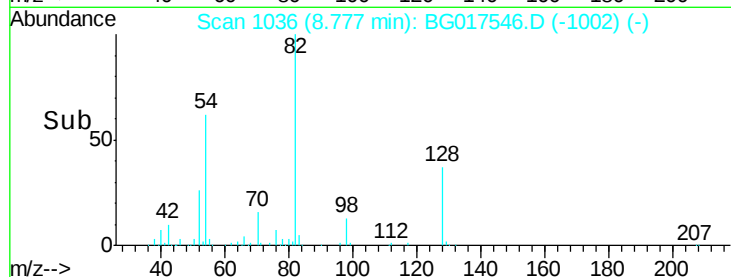
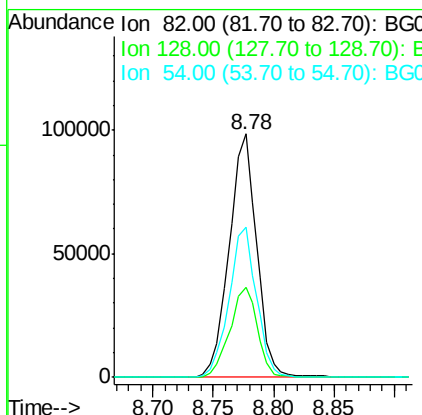
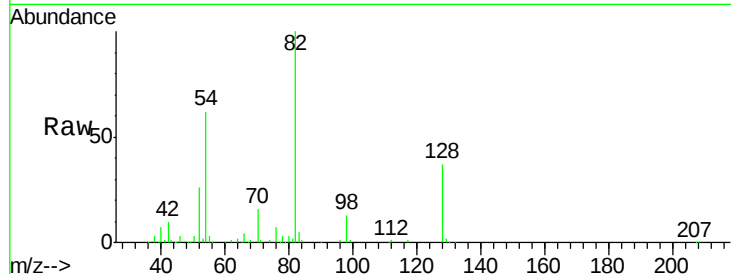
#23
 Nitrobenzene-d5
 Concen: 84.49 ng
 RT: 8.78 min Scan# 1036
 Delta R.T. 0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-13DS

Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	36.8	32.2	48.4
54	61.9	47.4	71.2

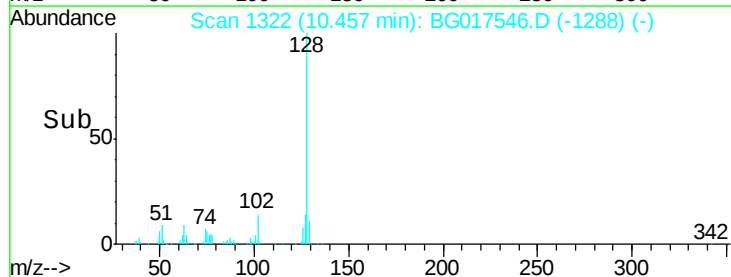
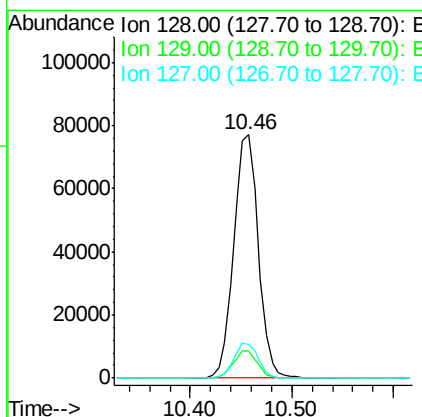
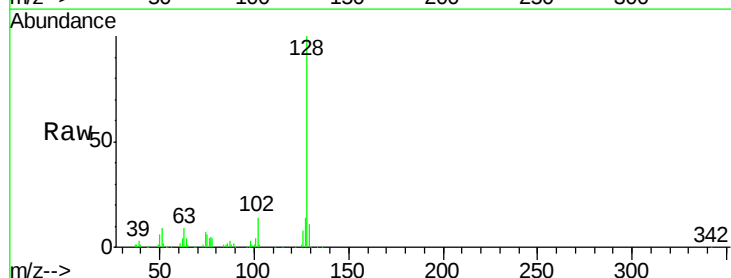
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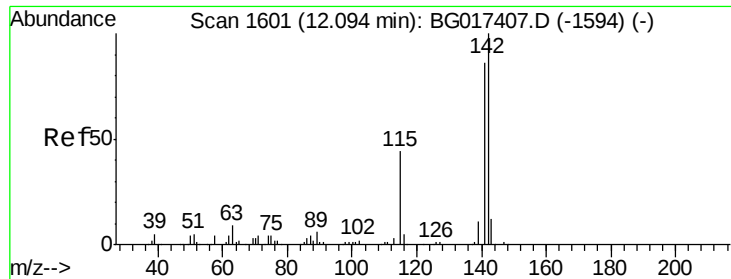
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#31
 Naphthalene
 Concen: 26.85 ng
 RT: 10.46 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.3	9.2	13.8
127	13.9	10.9	16.3





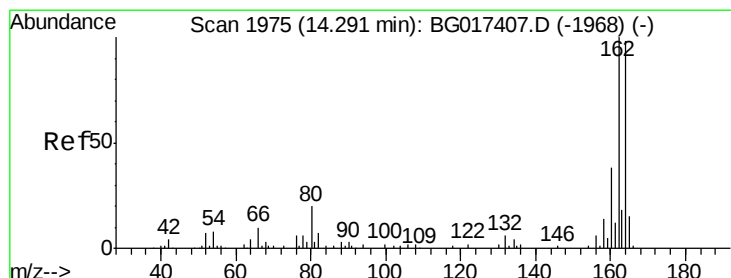
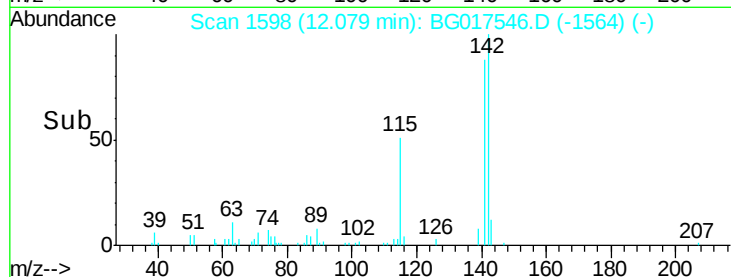
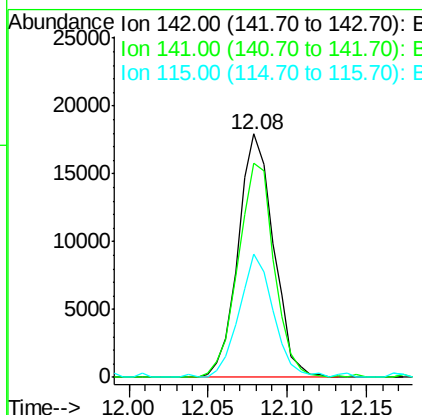
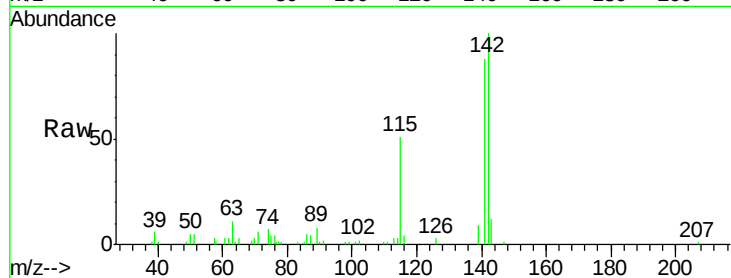
#37
2-Methylnaphthalene
Concen: 7.50 ng
RT: 12.08 min Scan# 1598
Delta R.T. 0.00 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Instrument :
BNA_G
ClientSampleId :
SB-13DS

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.0	68.6	102.8
115	50.9	35.3	52.9

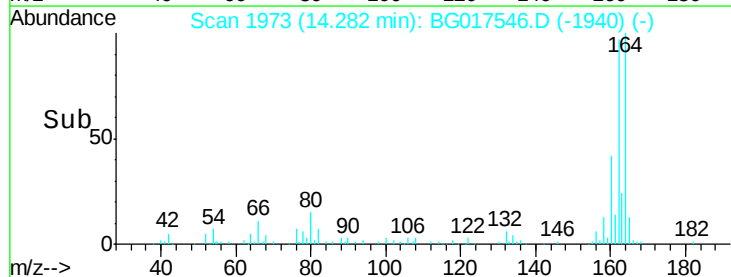
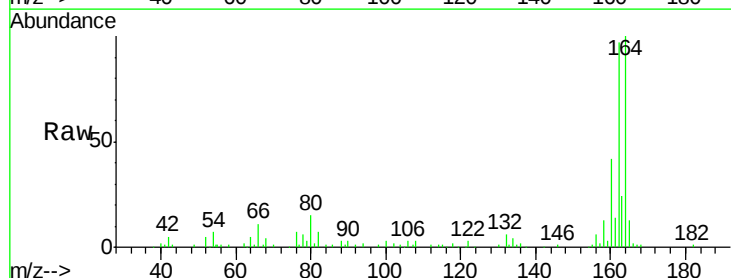
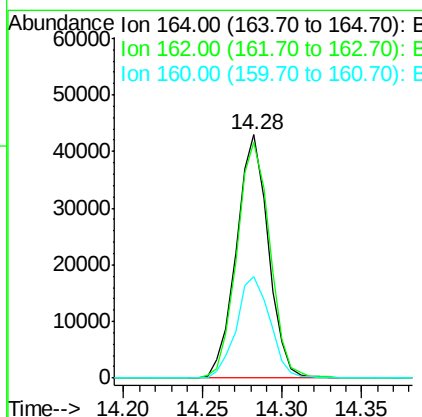
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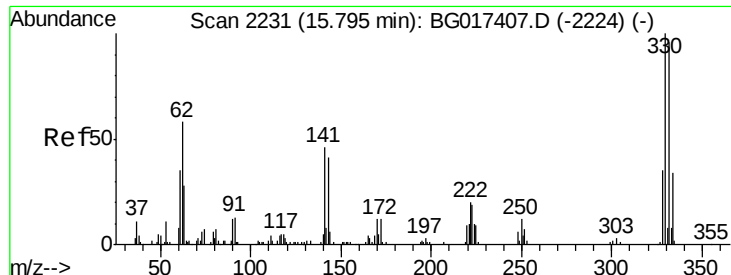
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.28 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.8	81.8	122.6
160	41.8	31.0	46.4





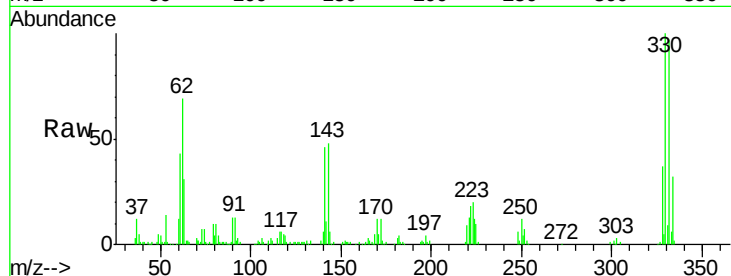
#41
 2,4,6-Tribromophenol
 Concen: 115.61 ng
 RT: 15.79 min Scan# 2229
 Delta R.T. 0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Instrument :
 BNA_G
 ClientSampled :
 SB-13DS

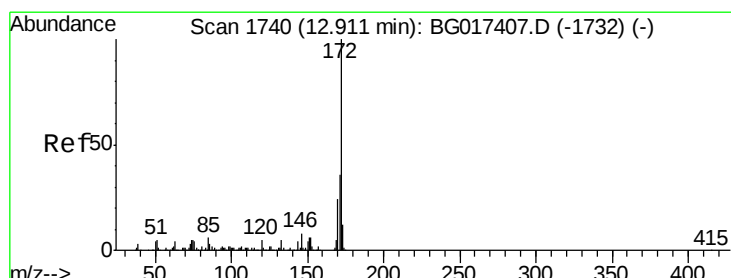
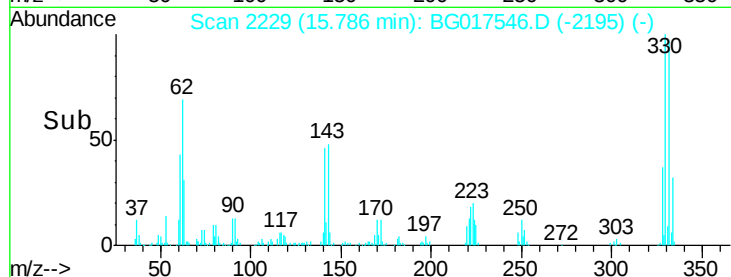
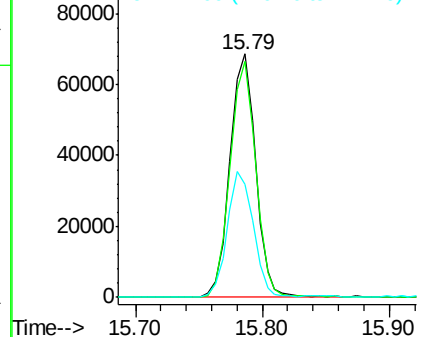
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	96361		
332	96.4	75.9	113.9	
141	52.5	40.2	60.4	

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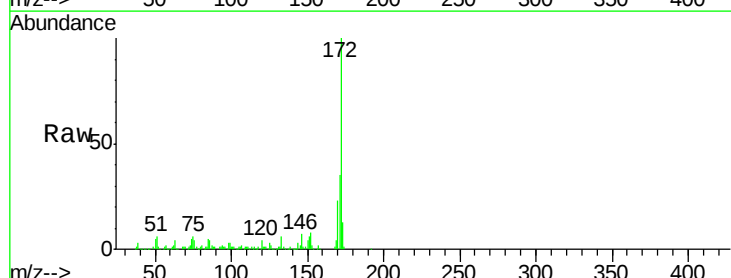


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

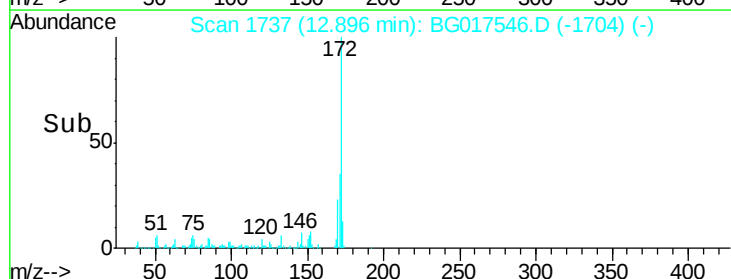
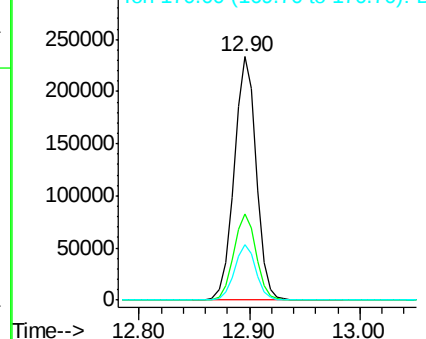


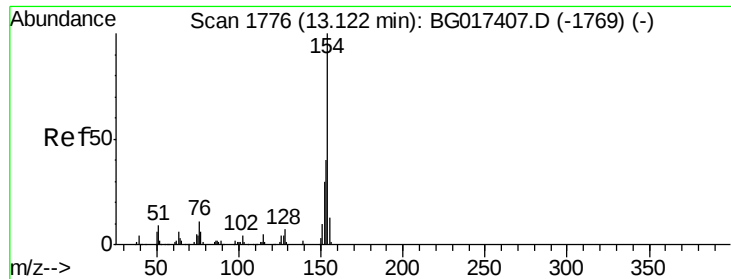
#44
 2-Fluorobiphenyl
 Concen: 82.26 ng
 RT: 12.90 min Scan# 1737
 Delta R.T. -0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	327270		
171	35.4	29.0	43.6	
170	22.8	18.9	28.3	



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.48 ng

RT: 13.11 min Scan# 1773

Delta R.T. -0.00 min

Lab File: BG017546.D

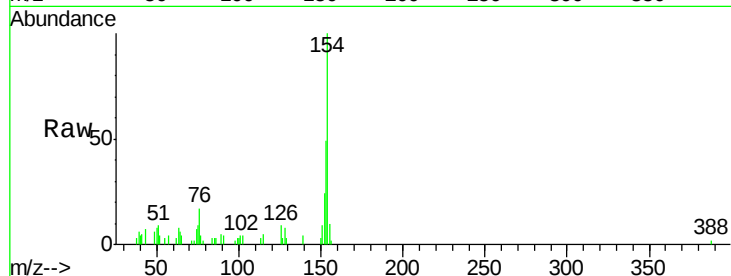
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Instrument :

BNA_G

ClientSampleId :

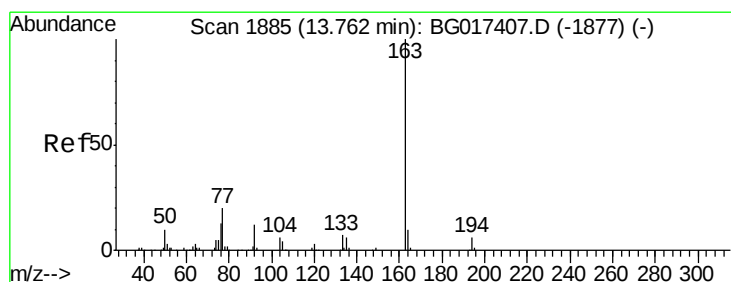
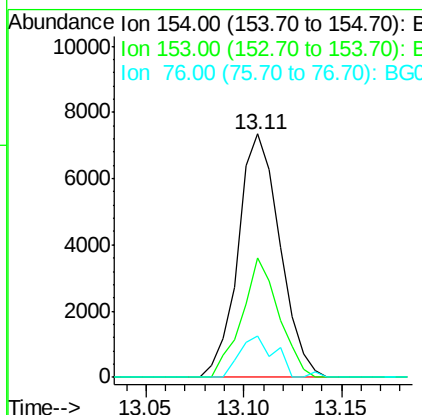
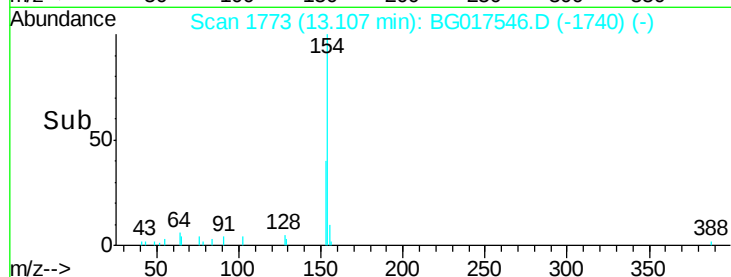
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	48.9	20.1	60.1
76	17.1	0.0	31.5

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#49

Dimethylphthalate

Concen: 9.14 ng

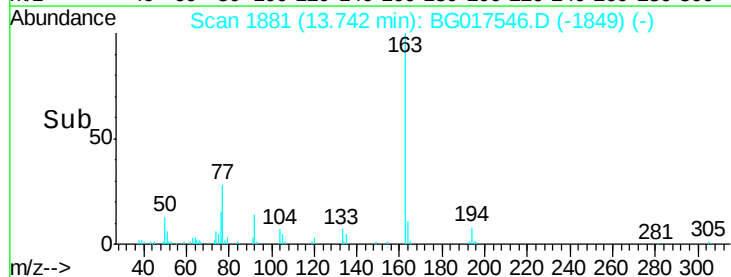
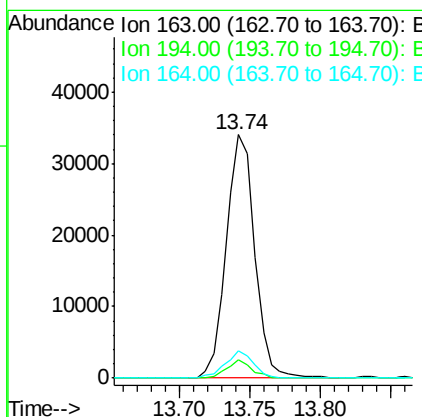
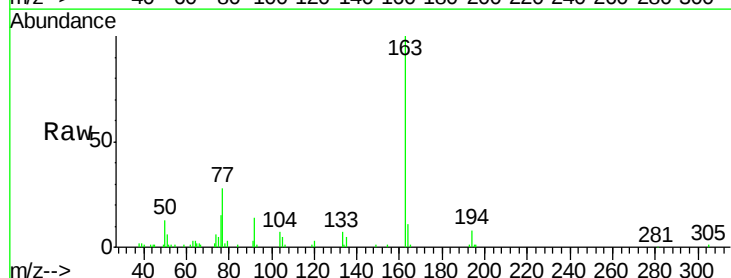
RT: 13.74 min Scan# 1881

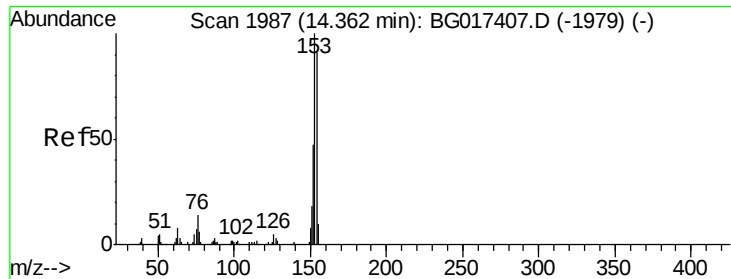
Delta R.T. -0.01 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
163	100		
194	7.6	4.9	7.3#
164	11.3	8.2	12.2





#51

Acenaphthene

Concen: 7.42 ng

RT: 14.35 min Scan# 1984

Delta R.T. -0.00 min

Lab File: BG017546.D

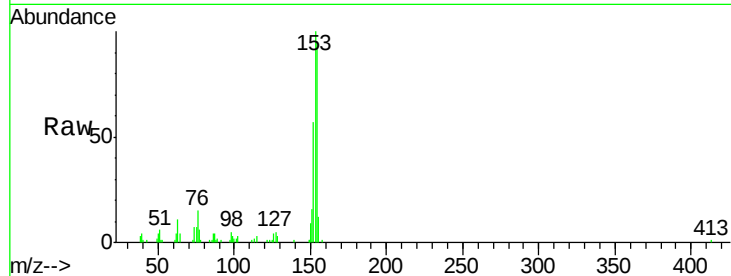
Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

ClientSampleId :

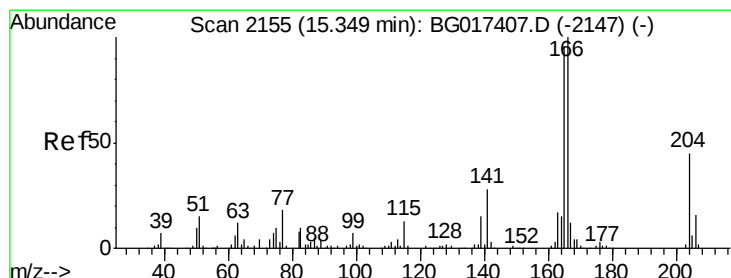
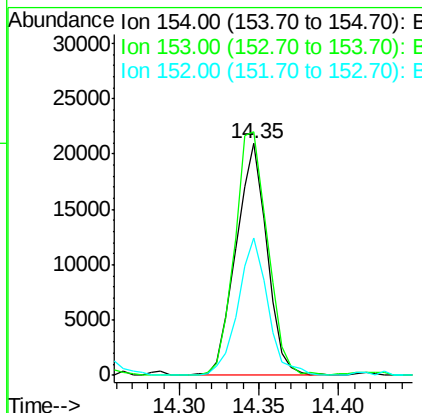
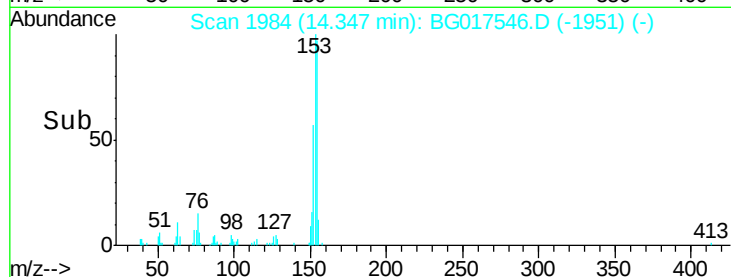
SB-13DS



Tgt Ion	Ratio	Lower	Upper
154	100		
153	105.0	87.7	131.5
152	59.3	40.8	61.2

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#57

Fluorene

Concen: 4.52 ng

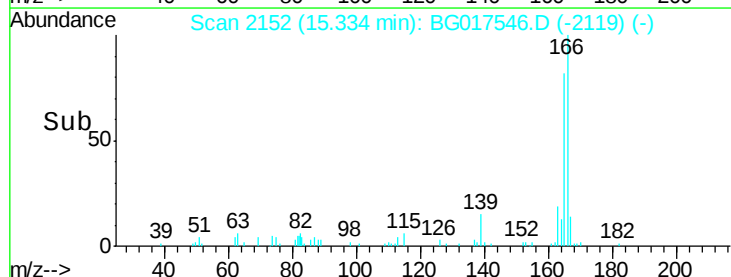
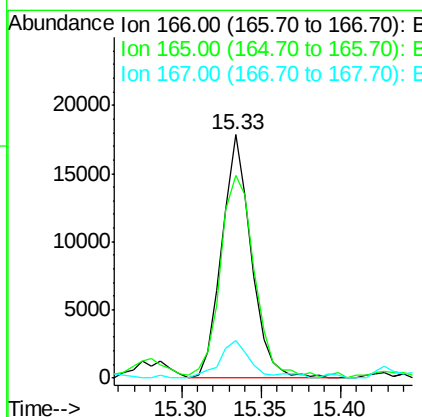
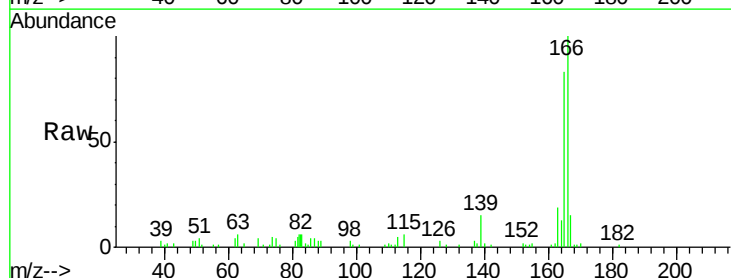
RT: 15.33 min Scan# 2152

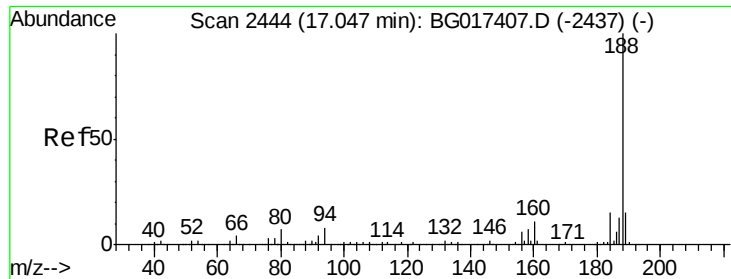
Delta R.T. -0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
166	100		
165	83.1	76.8	115.2
167	15.2	9.9	14.9#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.04 min Scan# 2442

Delta R.T. -0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

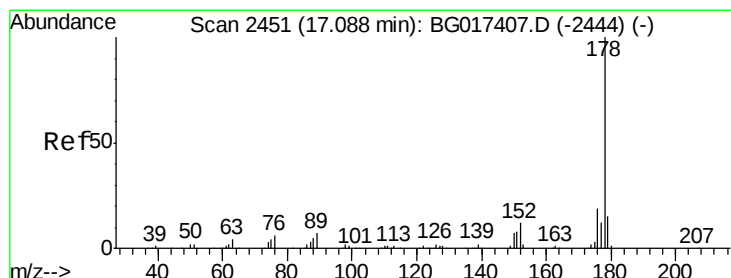
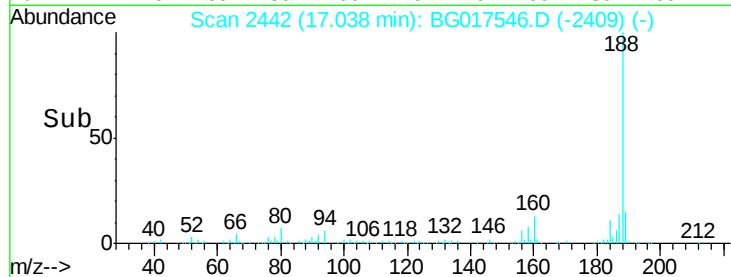
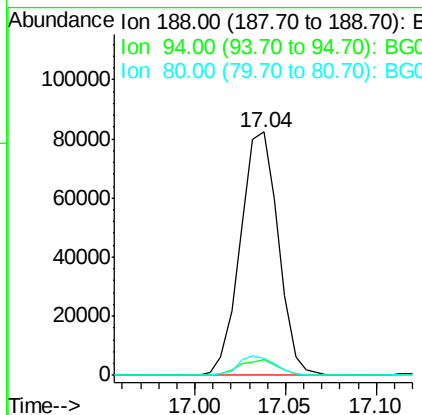
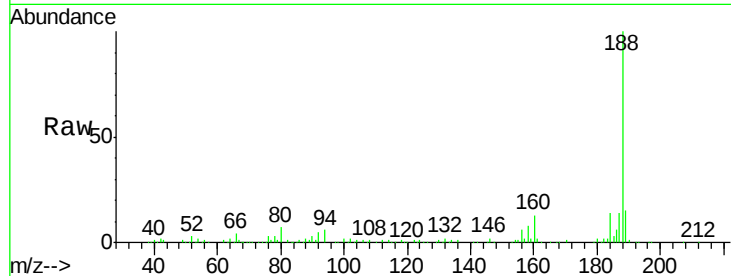
ClientSampleId :

SB-13DS

Tgt Ion:	188	Resp:	119481
Ion Ratio	Lower	Upper	
188	100		
94	6.3	6.3	9.5#
80	7.0	5.2	7.8

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#70

Phenanthrene

Concen: 23.18 ng

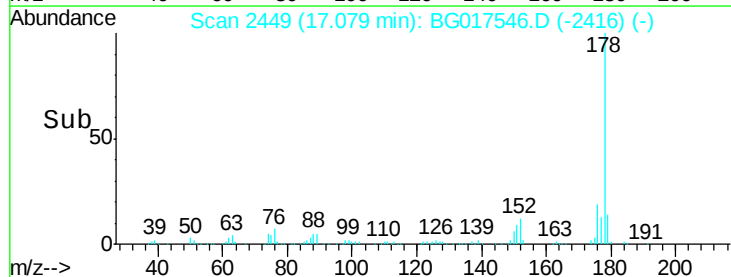
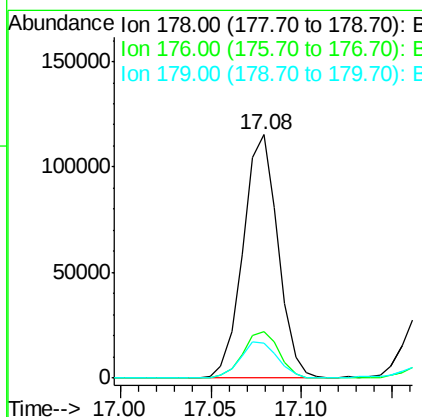
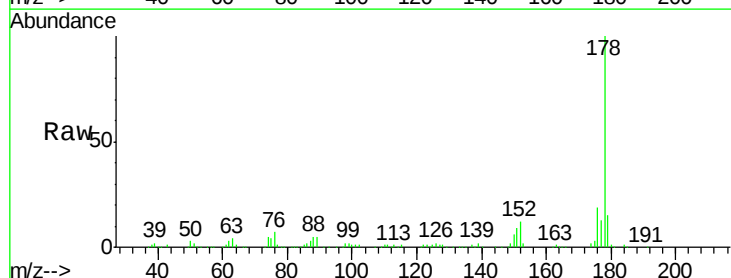
RT: 17.08 min Scan# 2449

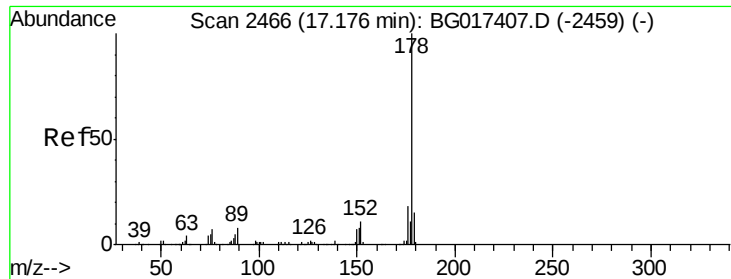
Delta R.T. -0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Tgt Ion:	178	Resp:	154411
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.6	23.4
179	14.6	12.2	18.2





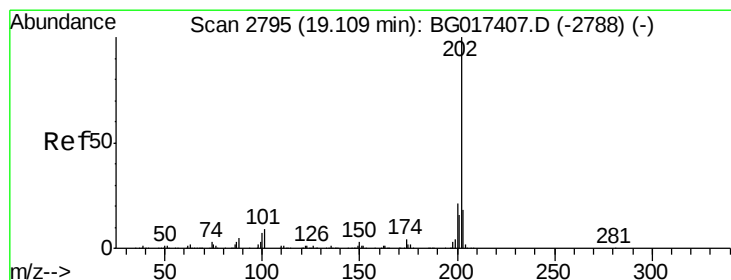
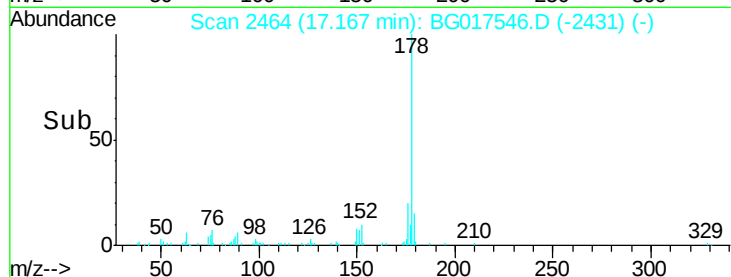
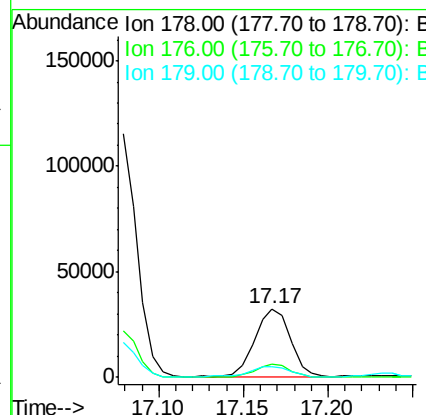
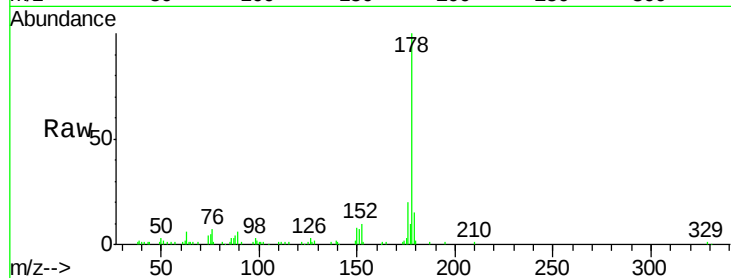
#71
 Anthracene
 Concen: 7.07 ng
 RT: 17.17 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Instrument :
 BNA_G
 ClientSampleId :
 SB-13DS

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.1	14.2	21.2
179	14.6	12.2	18.4

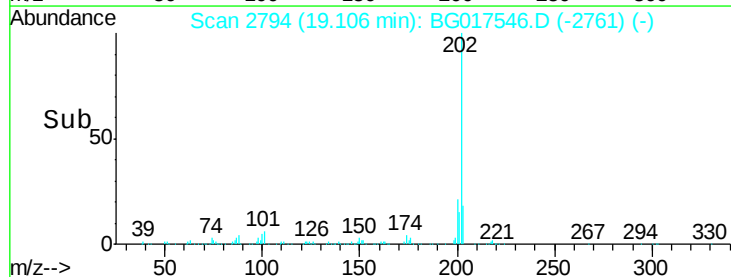
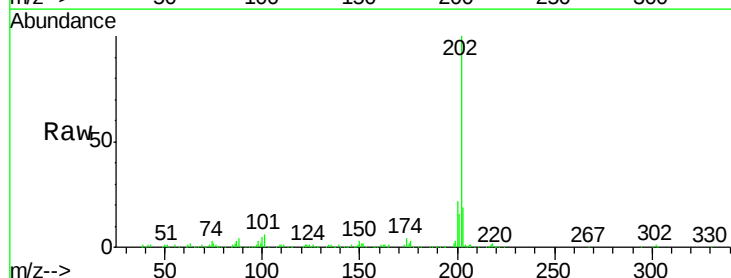
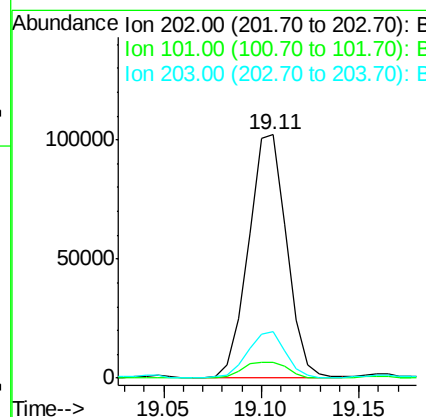
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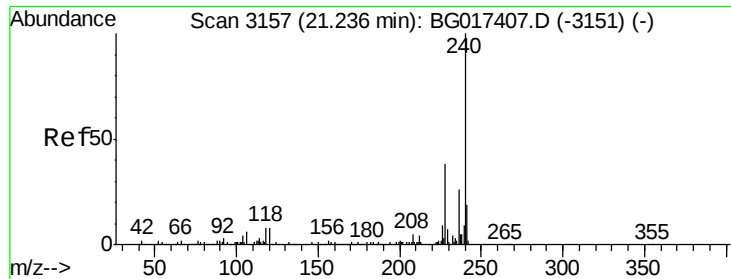
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#74
 Fluoranthene
 Concen: 15.90 ng
 RT: 19.11 min Scan# 2794
 Delta R.T. -0.00 min
 Lab File: BG017546.D
 Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.3	0.0	28.8
203	18.9	0.0	37.6





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.23 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

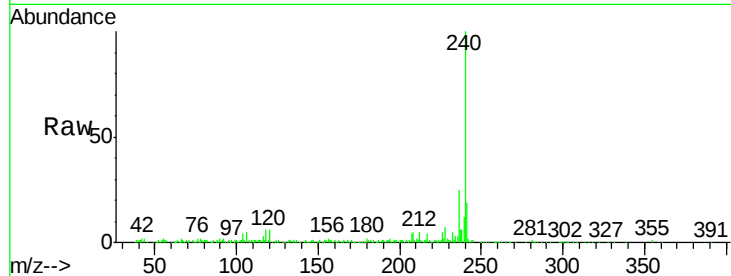
ClientSampleId :

SB-13DS

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		131629		
120	6.0	6.5	9.7#		
236	24.7	20.8	31.2		

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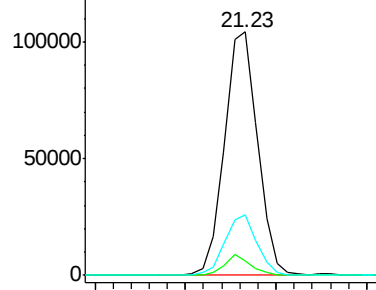
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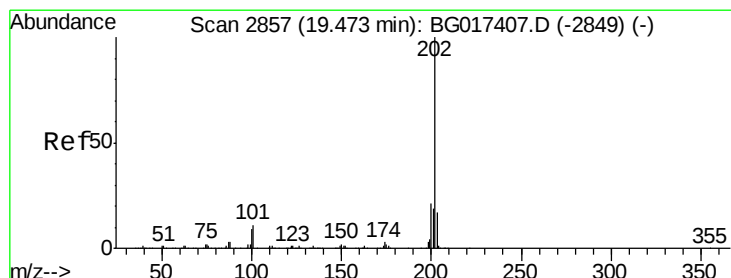
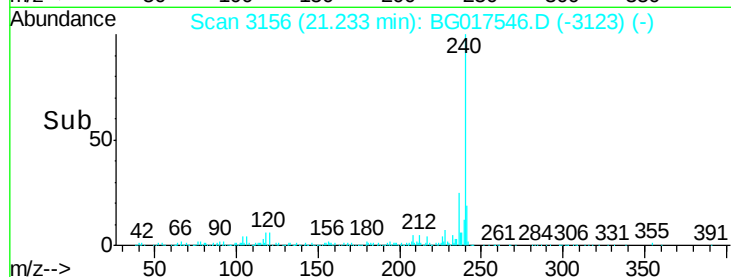
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 21.15 21.20 21.25



#77

Pyrene

Concen: 17.18 ng

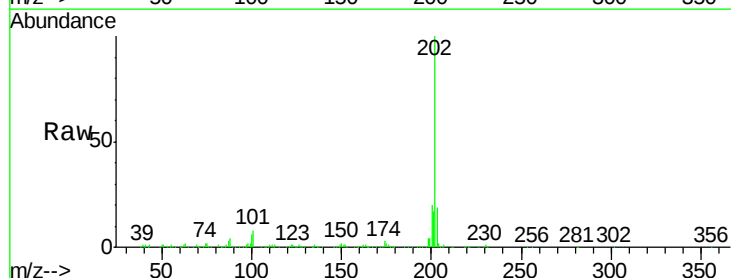
RT: 19.47 min Scan# 2856

Delta R.T. -0.00 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

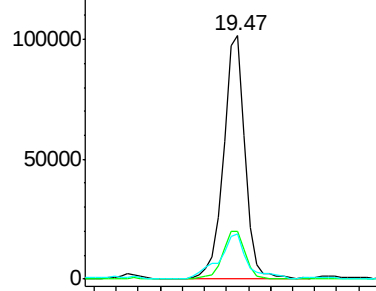
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		139339		
200	19.9	17.0	25.4		
203	18.6	13.9	20.9		



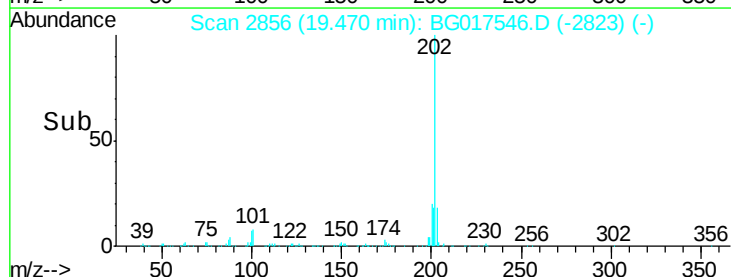
Abundance Ion 202.00 (201.70 to 202.70): E

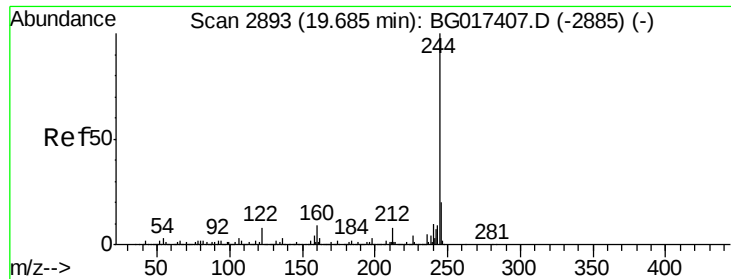
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.40 19.50





#78

Terphenyl-d14

Concen: 72.52 ng

RT: 19.68 min Scan# 2891

Delta R.T. -0.00 min

Lab File: BG017546.D

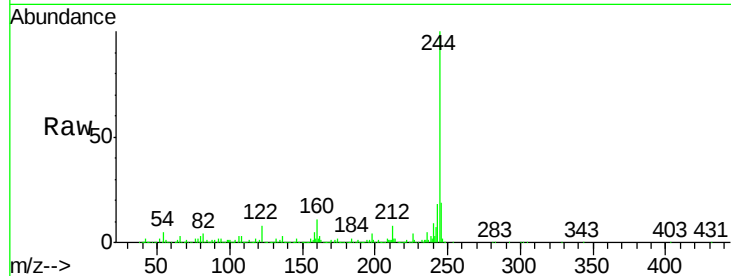
Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

ClientSampleId :

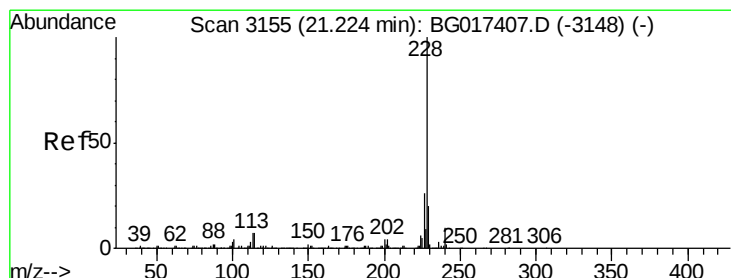
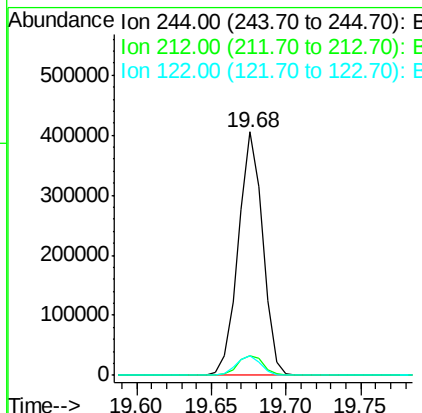
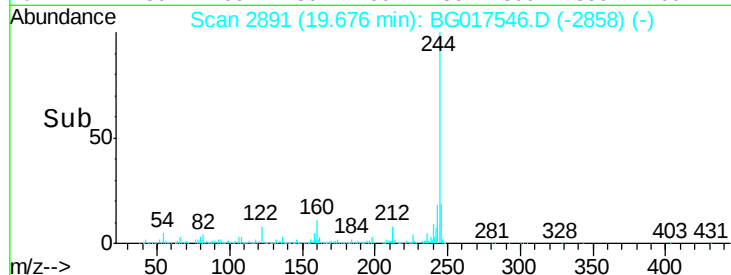
SB-13DS



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	461871		
212	8.1	6.4	9.6	
122	8.1	6.6	10.0	

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#80

Benzo(a)anthracene

Concen: 9.51 ng

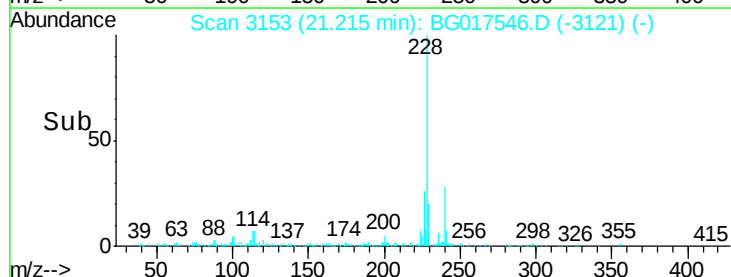
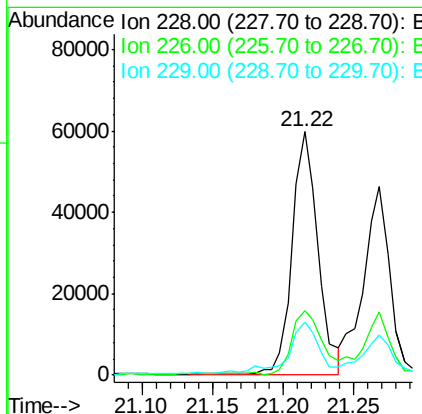
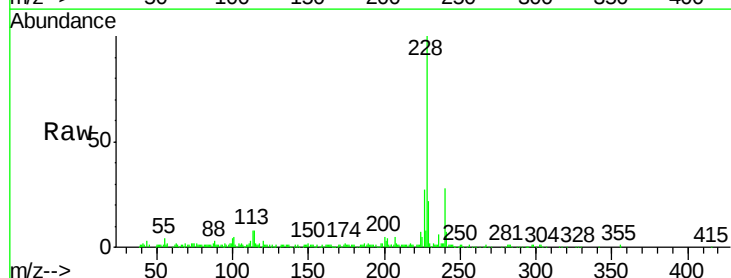
RT: 21.22 min Scan# 3153

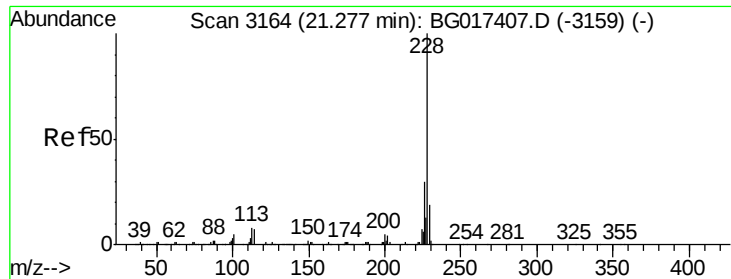
Delta R.T. -0.01 min

Lab File: BG017546.D

Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	76996		
226	26.7	21.0	31.6	
229	21.5	15.7	23.5	





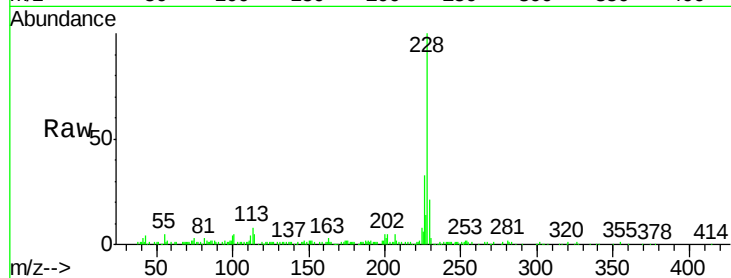
#82
Chrysene
Concen: 8.27 ng
RT: 21.27 min Scan# 3162
Delta R.T. -0.01 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Instrument :
BNA_G
ClientSampleId :
SB-13DS

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	23.7	35.5
229	21.5	15.2	22.8

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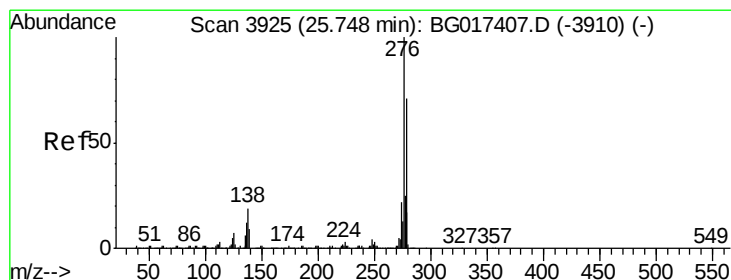
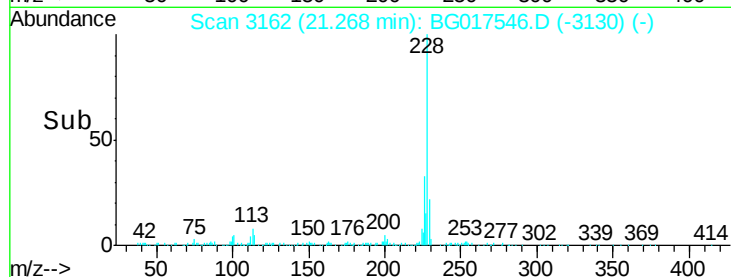
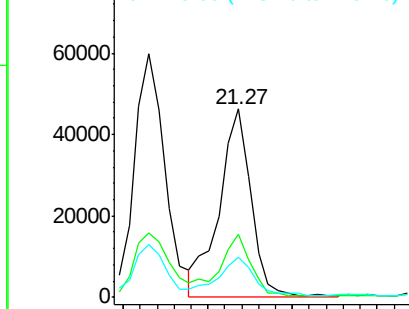


Abundance

Ion 228.00 (227.70 to 228.70): E

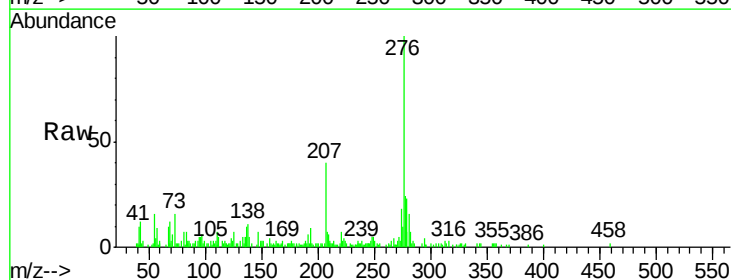
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.84 ng
RT: 25.73 min Scan# 3922
Delta R.T. -0.03 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.1	15.4	23.0#
277	29.0	20.5	30.7

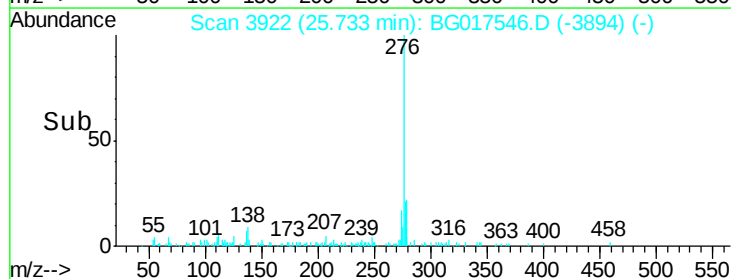
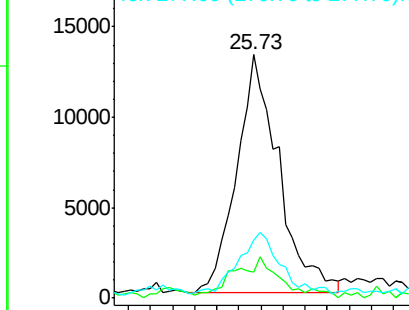


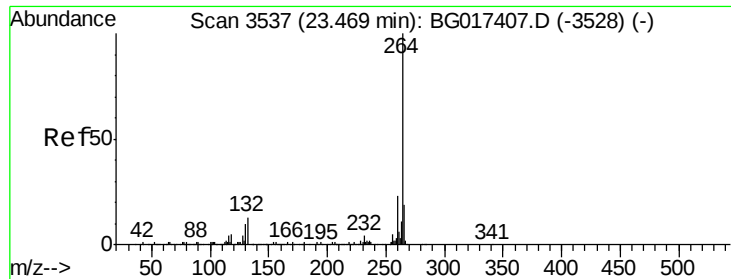
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





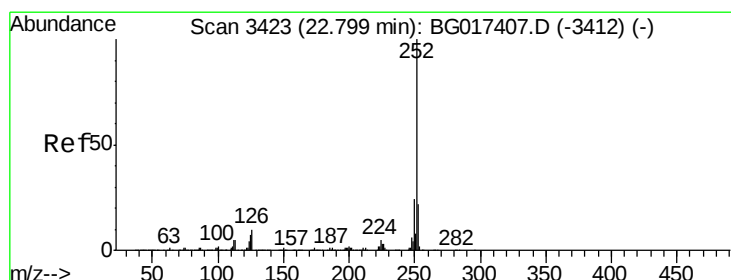
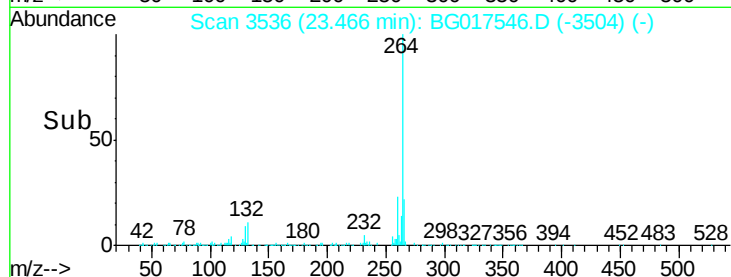
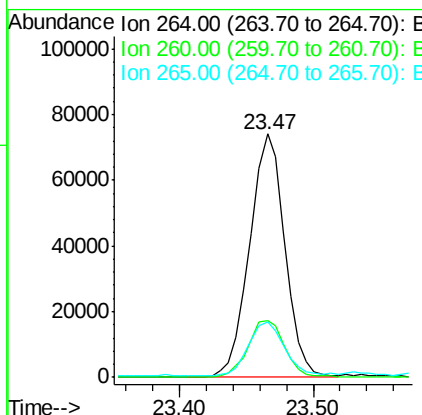
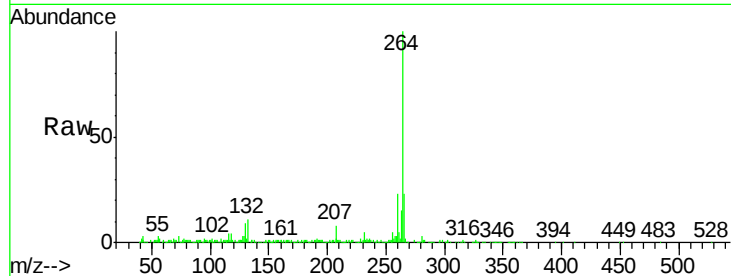
#86
Perylene-d12
Concen: 20.00 ng
RT: 23.47 min Scan# 3536
Delta R.T. -0.01 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Instrument :
BNA_G
ClientSampleId :
SB-13DS

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	135254		
260	23.4	18.2	27.4	
265	22.7	15.8	23.6	

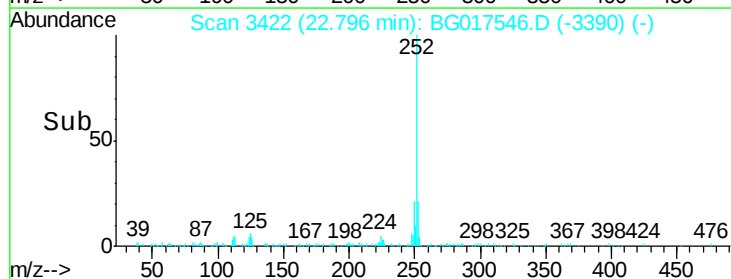
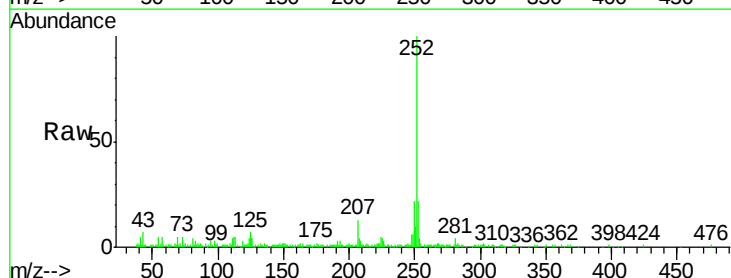
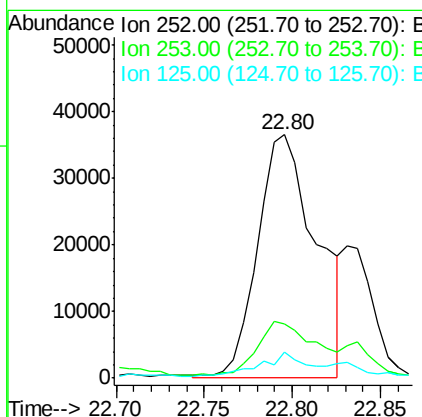
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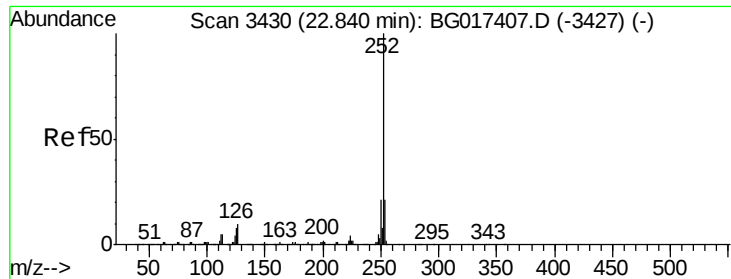
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#87
Benzo(b)fluoranthene
Concen: 9.88 ng m
RT: 22.80 min Scan# 3422
Delta R.T. -0.01 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	84661		
253	22.5	17.4	26.2	
125	6.9	5.8	8.8	





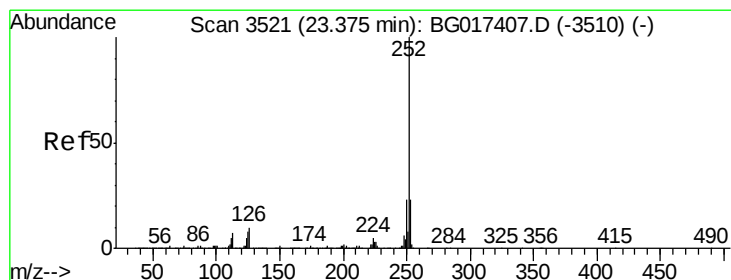
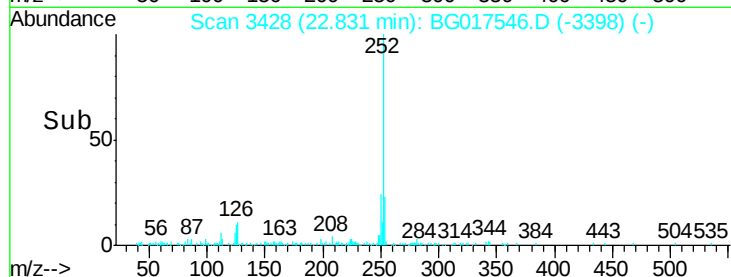
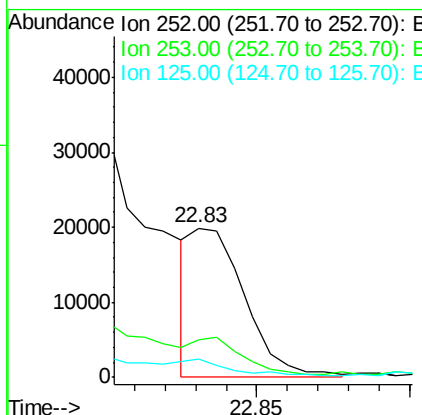
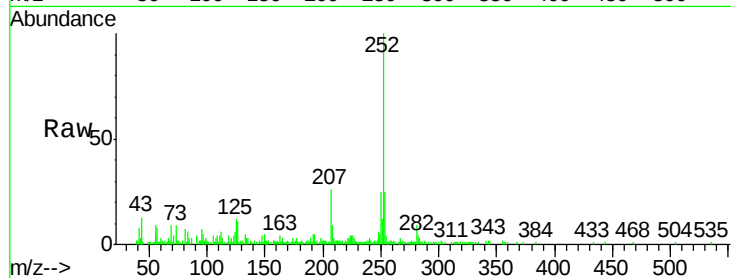
#88
Benzo(k)fluoranthene
Concen: 2.95 ng m
RT: 22.83 min Scan# 3428
Delta R.T. -0.02 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Instrument :
BNA_G
ClientSampled :
SB-13DS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.7	26.5
125	12.0	6.5	9.7#

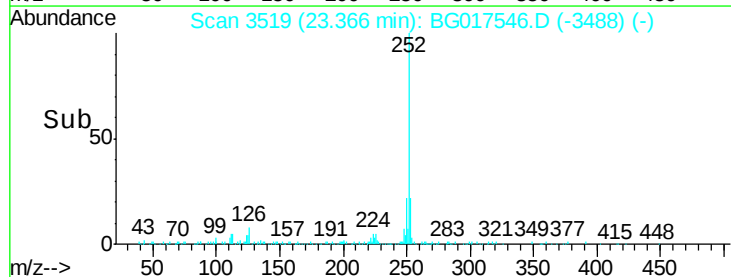
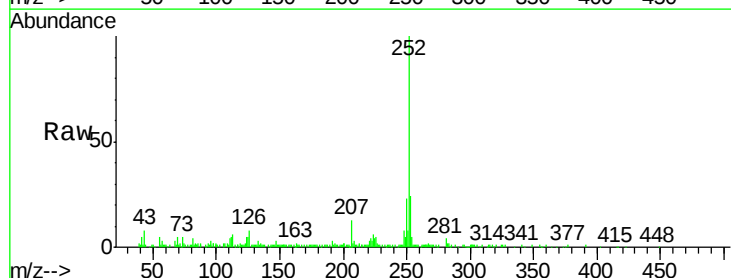
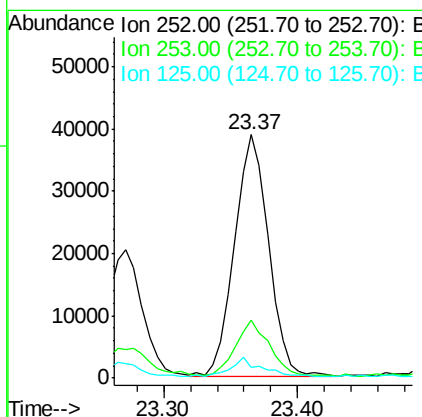
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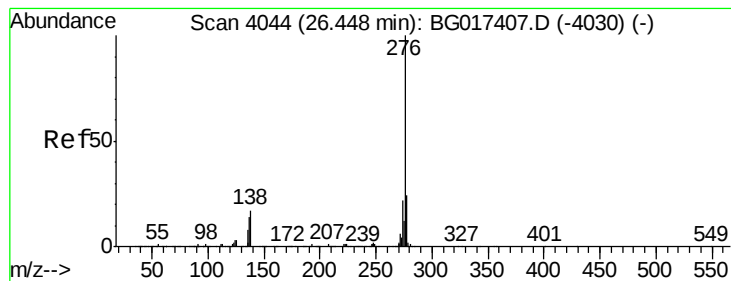
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#89
Benzo(a)pyrene
Concen: 8.71 ng
RT: 23.37 min Scan# 3519
Delta R.T. -0.02 min
Lab File: BG017546.D
Acq: 8 Jun 2015 16:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.1	27.1
125	4.6	6.5	9.7#





#91

Benzo(g,h,i)perylene

Concen: 3.99 ng

RT: 26.44 min Scan# 4042

Delta R.T. -0.03 min

Lab File: BG017546.D

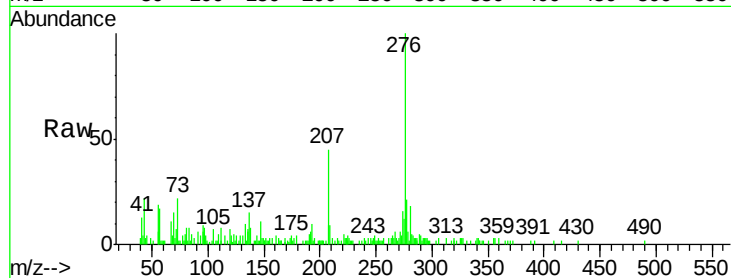
Acq: 8 Jun 2015 16:54

Instrument :

BNA_G

ClientSampleId :

SB-13DS



Tgt	Ion	276	Resp:	30999
Ion	Ratio	100	Lower	Upper
276	100			
277	20.8	19.2	28.8	
138	7.9	13.5	20.3	

Manual Integrations
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